



# LIQUI-TECT<sup>®</sup> 410 Point Leak Detection Sensor

#### Description

The Liqui-tect 410 (LT410) provides a single-point detection of leaks. The point detection sensor has two gold-plated sensing probes to prevent corrosion resistance and to provide accurate readings. The LT410 constantly monitors points for leaks.



internal faults and power failures and warns of any abnormal conditions. Mounting brackets allow for sensor height adjustment and leveling.

The LT410 is the ideal solution for sensing leaks under a raised computer floor or air conditioning drip pans. Two independent outputs provide added flexibility with the capacity to signal both a local alarm panel and a remote building management system or external equipment, such as motorized water shut-off valves.

The LT410 is also ideally suited for the following:

#### **Applications**

- Locations
- · Glycol, Chilled Water Cooling Humidification

- Large-Scale Network Control Centers
- Data Centers
- Condensate Pumps and Drains

Feed Water Piping

 Unit and Ceiling Auxiliary Drip Pans

Placement on Subfloor

- · Overhead Piping Troughs
- Server Rooms Closets • Unattended Remote Shelters Mechanical Equipment Rooms
- Sensitive Areas With **Overhead** Piping
- Industrial Process Control Rooms

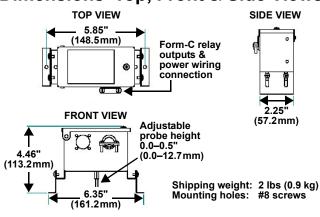
#### **Under Cooling Support Equipment** To a Liebert environmental unit and 0 an optional\* monitoring pane To external power supply or directly from unit Leak detection zone (directly beneath unit) LT410 Output connections to external alarm monitoring panels

such as the Liebert contact closure alarm panels

# **Specifications**

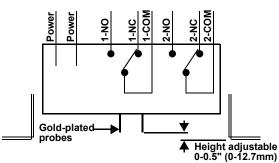
Liqui-tect 410 Sensor			
Power requirements	24 VAC 100 mA, 50/60 Hz, 3 VA (max.)		
Dimensions W x D x H	6.35" x 2.25" x 4.46" (161.2 mm x 57.2 mm x 113.2 mm)		
Weight (assembled)	2.0 lbs (0.9 kg)		
Metal enclosure	NEMA 1, IP 30		
Environmental Conditions			
Operating temperature	50°F to 104°F (10°C to 40°C)		
Operating humidity	10% to 95% relative humidity (non-condensing)		
Operating altitude	0 to 10,000 ft (0 to 3,048 m)		
Output Relays			
Contact rating	2 Form-C; 3 A rating at 24 VAC		
Agency Listings			
UL	UL916		
C-UL	C22.2, No. 205-M1983		
CE	Yes		
FCC Compliance	47 CFR, Part 15		

#### Dimensions-Top, Front & Side Views



### Wiring Interconnections

Red Wires	Orange Wires	Yellow Wires
24 V, AC/DC	Alarm Contact Rating	Alarm Contact Rating
@0.10A, 50-60Hz, DC	24 VAC @ 3A	24 VAC @ 3A
Class 2 Circuit Only	Class 2 Circuit Only	Class 2 Circuit Only



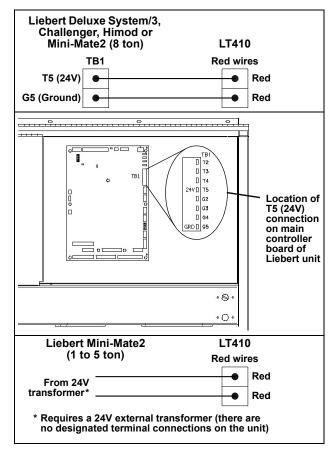
# **Ordering Information**

	roduct umber	Quantity	Description
L	_T410		Point Leak Detection Sensor

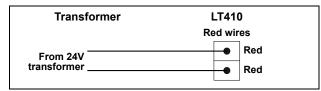
# **Power Wiring**

The LT410 is rated for 24 VAC, 50/60 Hz and 0.10 amp.

#### Figure 1 24V from Liebert environmental units to LT410

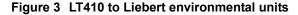


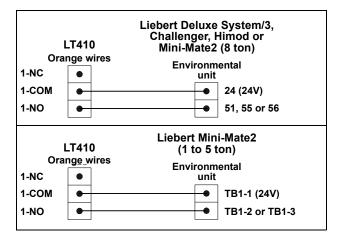
#### Figure 2 24V from transformer to LT410



# Wiring to Auxiliary Alarm Panels

The LT410 has two Form-C dry contact alarm output contacts: orange wires (1) and yellow wires (2). Each contact is rated for 24 VAC at 3 amp.





#### Figure 4 LT410 to Liebert contact monitor panel

